

















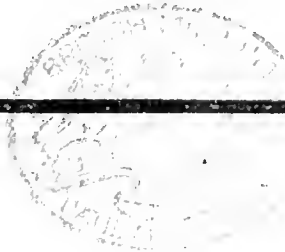




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PRESENTED

15 APR 1936



ANNUAL REPORT  
OF THE COUNCIL  
OF THE  
YORKSHIRE  
PHILOSOPHICAL SOCIETY  
FOR THE YEAR  
1935

PRESENTED TO THE ANNUAL MEETING,  
FEBRUARY 10th, 1936.

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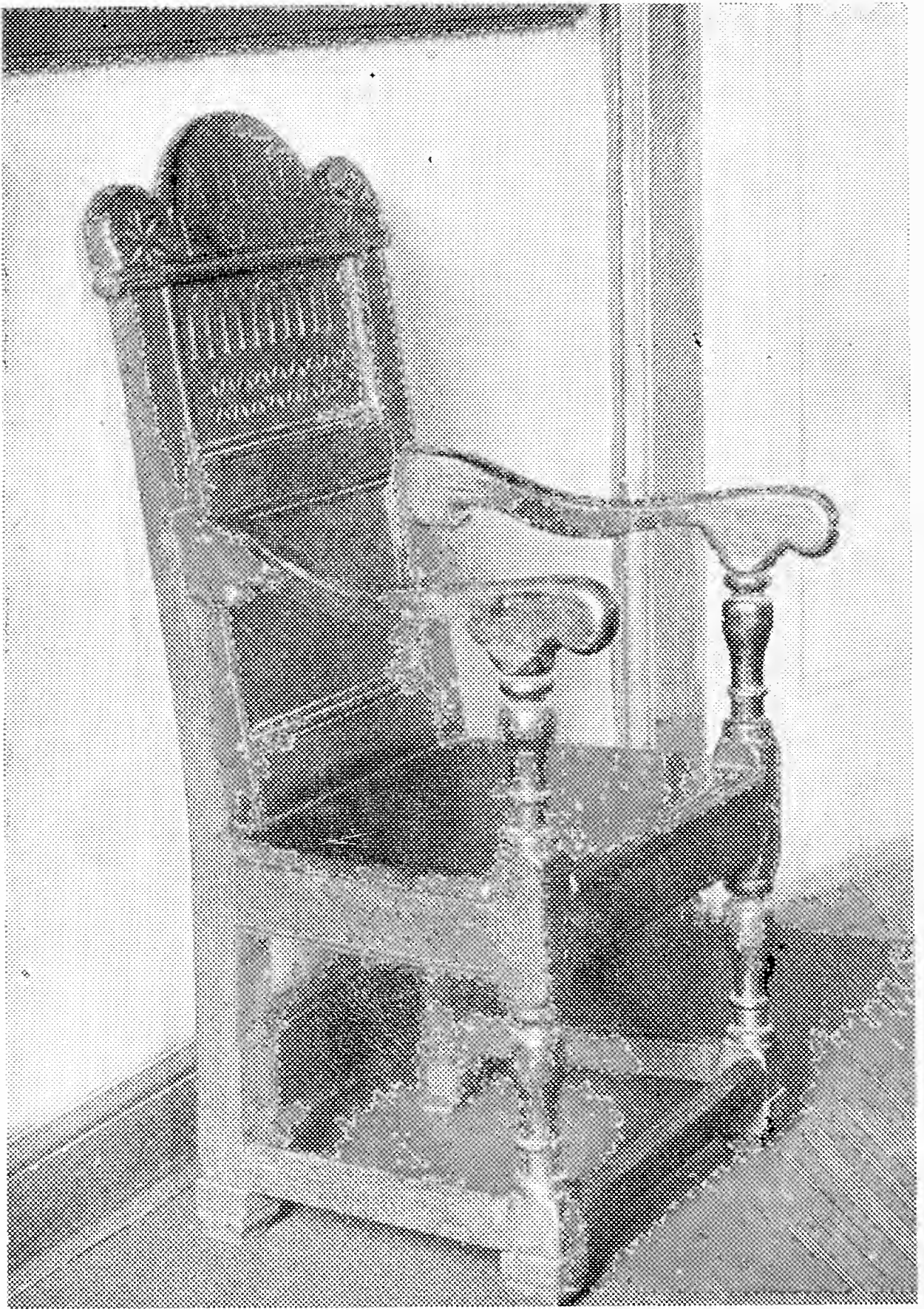
PRINTED BY ORDER OF THE COUNCIL.

1936.

*Issued April 8th, 1936*







AN OAK CHAIR.

Once the property of John Phillips, the first Keeper of the Yorkshire Museum. Dated 1652.  
Now in the Museum.

*The photograph is reproduced by the kind permission of the "Yorkshire Herald."*

ANNUAL REPORT  
OF THE COUNCIL  
OF THE  
YORKSHIRE  
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FOR THE YEAR

**1935**

PRESENTED TO THE ANNUAL MEETING,  
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FORM  
OF A  
BEQUEST TO THE SOCIETY.

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Every person desirous of bequeathing to the Society any sum of Money, Specimens, Books, Instruments, or other Property, is requested to make use of the following form:—

*I give and bequeath to the Trustees, for the time being, of the Society established at York, called “**The Yorkshire Philosophical Society,**” for the use of the said Society, the sum of \_\_\_\_\_ to be paid out of such part of my personal estate as I may legally charge therewith. [Or here enumerate the effects or property intended to be bequeathed.] And I direct that the receipt of the Treasurer of the said Society, for the time being, shall be an effectual discharge to my Executors for the said legacy.*



# The Yorkshire Philosophical Society.

(Founded 1822.)

## Patroness :

HER MAJESTY QUEEN MARY.

---

## Trustees :

THE RT. HON. THE EARL OF FEVERSHAM.

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J. TRIFFITT.

S. WALKER, F.R.E.S.

ALD. SIR FRANK W. TERRY.

## Council :

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SIDNEY MELMORE, B.Sc.,

E. BAKER.

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J. H. COLLINSON, M.A.

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## Hon. Treasurer :

S. WALKER, F.R.E.S.

## Hon. Secretary :

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## **Committees :**

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JOHN A. COOPER.	GEOFFREY THOMPSON.
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J. H. COLLINSON.	A. W. PING.
G. W. DANIEL.	COL. W. A. WHITE.
S. WALKER, <i>Secretary</i> .	

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ARTHUR HURST.	GEOFFREY THOMPSON.
REV. A. RAINE.	S. WALKER.
J. SCOTT.	DR. COLLINGE, <i>Secretary</i> .

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### **Abbey Restoration Committee :**

ALD. W. H. BIRCH.	ALD. SIR FRANK W. TERRY.
W. HARVEY BROOK.	GEOFFREY THOMPSON.
JOHN A. COOPER.	J. TRIFFITT.
REV. A. RAINE.	S. WALKER.
J. H. RUTHERFORD.	KENNETH WARD.
SYDNEY H. SMITH.	COL. INNES N. WARE.
DR. COLLINGE, <i>Secretary</i> .	

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### **Building Committee :**

ALD. W. H. BIRCH.	S. WALKER.
J. H. RUTHERFORD.	KENNETH WARD.
J. TRIFFITT.	DR. COLLINGE, <i>Secretary</i> .

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The President, Hon. Secretary, Hon. Treasurer and Keeper  
are *ex-officio* members of all Committees.

## York and District Field Naturalists' Section.

### *President :*

C. E. N. BROMEHEAD, B.A., F.G.S.

### *Vice-Presidents :*

C. ALLEN.

V. G. F. ZIMMERMANN.

J. A. DELL, M.Sc.

W. G. BRAMLEY.

*Hon. Treasurer:* G. MACHIN,  
42, Vyner Street, York.

### *Hon. Secretaries :*

A. W. PING, M.A.,  
St. Olave's,  
Clifton, York.

K. G. CHILMAN,  
70, Bootham Crescent,  
York.



REPORT OF THE COUNCIL  
OF THE  
YORKSHIRE PHILOSOPHICAL SOCIETY.

10th FEBRUARY, 1936.

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**D**URING the past year your Council have again had under consideration the repair of the ruins of St. Mary's Abbey. H.M. Office of Works has inspected and reported upon the urgent necessity of at once commencing work, if the ruins are to be saved.

After very careful consideration the Council decided to make an Appeal for £4,500 in order that this work might be carried out. The following letter signed by the President and others appeared in "The Times" of December 3rd.

ST. MARY'S ABBEY, YORK.

TO THE EDITOR OF "THE TIMES."

"SIR,—The beautiful and historic ruin of St. Mary's Abbey, York, is in imminent danger of collapse, and it is essential that repairs be started at once.

The Abbey, the foundation-stone of which was laid by William Rufus in 1089, belonged to the Benedictine Order, and is situated in the grounds of, and now owned by, the Yorkshire Philosophical Society at York. After the Reformation the site of the Abbey was leased to various people, the buildings being regarded as a sort of stone quarry for the neighbourhood. York Castle, St. Olave's Church, and Beverley Minster have all been repaired out of the ruins. The whole building would doubtless have gone if it had not been for the foundation of the Society in 1822 and the acquisition by it of the ruins in 1827.

Through the society's care and labours what remained of the Church has been kept, while considerable portions of the foundations and of the conventual buildings have been preserved, the cost of which, amounting to many thousands of pounds, was borne by the society.

The society fully realizes the historic and aesthetic value of the ruins, and is alive to its responsibility for maintaining them in a proper state of repair ; but unfortunately there are no funds available and the annual income of the society is quite inadequate to meet a call for £4,500, a sum which H.M. Office of Works in its survey and report considers the minimum to put the ruins in a safe condition.

We feel that the society is worthy of support in asking the general public for subscriptions to restore what is not only a Yorkshire responsibility but also a national one. The ruins are a monument of great historic interest and beauty second to none in the City of York.

Even in these days, when the calls on purses are many, we earnestly recommend this appeal, and we feel assured that it merits the most generous response.

Donations, large and small, should be sent to the Hon. Treasurer, Yorkshire Philosophical Society, York.

Yours faithfully,

HAREWOOD, LORD LIEUTENANT,  
WEST RIDING.

DERAMORE, LORD LIEUTENANT,  
EAST RIDING.

BOLTON, LORD LIEUTENANT,  
NORTH RIDING.

WILLIAM EBOR.

W. H. SHAW, LORD MAYOR OF  
YORK.

HALIFAX.

A. E. WARDROP.

CHARLES PEERS.

FEVERSHAM, PRESIDENT,  
YORKSHIRE PHILOSOPHICAL  
SOCIETY."

So far a sum of £657 : 13 : 0 has been received or promised, and the work will be commenced shortly.

Up to the end of 1935 the Society has expended no less a sum than £10,500 upon the upkeep and repair of the Abbey ruins and Hospitium.

Since 1832, the Society has had a lease from the Corporation of the Multangular Tower, Roman Wall and St. Leonard's Hospital. In rent and repairs the Council has expended some thousands of pounds on these ruins. The Corporation desiring

the land inside the Tower, etc., and the Society having no funds to lay out on repairs, it was deemed advisable to relinquish the lease, and negotiations are in progress for a new lease to be granted by the Corporation of the land without the Tower, etc.

A Congratulatory Address was forwarded to His Majesty King George V from the President, Council and Members of the Society, on the occasion of the completion of the Twenty-fifth year of His Majesty's Reign, and His Majesty's gracious reply was duly received.

Your Council offer congratulations to Alderman Sir Francis W. Terry on the honour of Knighthood recently conferred upon him by H.M. the King.

At a special Meeting of the Council held on July 29th, Col. Innes N. Ware was unanimously elected Honorary Secretary. Members, we feel sure, will wish him a long and prosperous career in this office.

The autumnal storms caused serious damage to the roof of the Central Hall and Ethnological Gallery. These have been repaired, and the interior of the Gallery has been re-decorated.

The following is a full list of Lectures delivered in the Tempest Anderson Hall during the past year :—

Thursday, January 17th.—“ Old China, her Culture, Wit and Wisdom.”

By Miss Rose Quong.

Chairman : Col. W. A. White, J.P.

Thursday, January 31st.—“ Life on a South African Orange Farm.”

By Commander The Honourable Sereld Hay.

Chairman : A. Wentworth Ping, M.A.

Thursday, February 14th.—“ The Oil Age.” By Stratford C. Saunders.

Chairman : Ald. Frank W. Terry.

Thursday, February 28th.—“ Captain Cook and the Great Barrier Reef of Australia.” By Miss Sylvia Corner, O.B.E.

Chairman : Geoffrey Thompson, M.A.

Thursday, October 17th.—“ Oliver Cromwell.” By E. Rosslyn Mitchell, M.A., LL.B.

Chairman : Ald. W. H. Birch, J.P.

Thursday, October 31st.—“ The Structure of the Universe.” By H. Spencer Jones, Sc.D., M.A., F.R.S. (Astronomer Royal).

Chairman : Geoffrey Thompson, M.A., F.S.A.

Thursday, November 14th.—“ Hans Andersen : His Fame and His Fairies.” By Miss Sali Löbel.

Chairman : J. L. Brockbank, M.A.

Thursday, November 28th.—“ Catalonia with Andorra.” By H. Gregorius Brown.

Chairman : Arthur Hurst.

Thursday, December 12th.—“ The Story of the Incas of Peru.” By A. Stuart McNairn, F.R.G.S.

Chairman : Sydney H. Smith, J.P., F.Z.S.

**FINANCES.** To commence the year the Society had a credit balance of £89 10s. 5d. For the year there was an excess of income over expenditure of £144 19s. 6d., making a total credit balance of £234 9s. 11d. on December 31st.

The Million Shilling Fund has increased by £5 6s. 7d., while the Reed Bequest shows a credit balance of £25 17s. 2d.

The late Mr. H. J. Wilkinson bequeathed to the Society the sum of £100 and his library. The Council have decided to invest the capital sum to be called the "H. J. Wilkinson Memorial Fund," the interest to be expended by them on the upkeep of the Herbarium and the H. J. Wilkinson Library, and on the addition of any books or materials considered necessary thereto.

Your Council regret to have to record the decease of Dr. W. A. Evelyn, who during the thirty-seven years of his membership always manifested a deep interest in the Society's work. He was elected a member of the Council in 1911 and a Vice-President in 1923. They also regret the passing of Lord Danesfort, who had been a member since 1894; and Mr. George Benson who was elected a member of the Society in 1892. He served on the Council for many years and was Honorary Curator in Numismatics from 1918 to 1924. Mr. Benson was elected an Honorary Member in 1926. A further loss was sustained by the death of Sir James Hamilton on December 17th.

By a unanimous vote of the Council Mr. H. M. Platnauer, B.Sc., has been elected an Honorary Member of the Society. Mr. Platnauer was Keeper of the Museum from 1883 to 1904, and has served as a Vice-President of the Society since 1905.

The Council desire to thank the Honorary Curators for their services during the Year, and to place on record their appreciation of the work of the Keeper of the Museum.

FIELD NATURALISTS' SECTION. The meetings of the Section have been held in accordance with the Programme issued, and constant work and observations in the Field have been continued by individual members.

Mention should be made of the work of the President, Mr. C. E. N. Bromehead, who has given two extremely interesting lectures during the year. Firstly on "Ancient Mining," which he gave as an ordinary member, and then his Presidential Address on "How a Geological Map is made." We much regret that Mr. Bromehead has had to remove from York to the South.

Mr. V. G. F. Zimmermann's paper giving his observations on the song cycle and the nesting habits of the Blackbird and Song Thrush was a very valuable contribution on an original piece of work.



In connection with the Conchological Report for the year, an account was given of visits by Mr. J. S. Gayner and Mr. H. Sowden to a portion of the Pocklington Canal which had been drained. The observations made of the aquatic and plant life gave some very unusual records.

Membership of the Section has decreased somewhat during the year, partly owing to a number of members leaving the district, and partly owing to cases where membership has lapsed.

Our present numbers stand at 107 subscribing members, 9 Honorary Members and 7 Corresponding Members, a total of 123. This is a decrease of 9 on the previous year.

The Lectures and Excursions during 1935 have been as follows :—

- January 16th.—Presidential Address. “Some Effects of Environment on Modes of Respiration.” Charles Allen.
- January 23rd.—Recorders’ Reports:—(a) Botany, J. H. Evers. (b) Entomology, A. Smith.
- February 6th.—General Exhibit Night.
- February 20th.—Lantern Lecture:—“Ancient Mining,” C. N. Bromehead, B.A.
- March 6th.—Lecturette: “Our Local Finches.” G. Machin.
- March 20th.—Recorders’ Reports: (a) Vertebrate Zoology, S. H. Smith, F.Z.S. (b) Ornithology, V. G. F. Zimmermann.
- April 3rd.—Annual Meeting.
- June 1st.—An Excursion to Malton Road Ponds.
- June 10th.—A Visit to Askham Bog.
- June 19th.—An Evening Visit to “Willowsyde,” Stockton Lane.
- June 22nd.—A Visit to Buttercrambe Woods.
- June 26th.—A Ramble on Clifton Ings.
- June 29th.—A Visit to Towton Moor.
- July 6th.—An Evening Visit to Poppleton.
- September 28th.—Autumn Excursion and Fungus Foray to Nun Appleton, also Evening Meeting in the Museum to inspect the specimens obtained.
- October 9th.—Presidential Address. Lantern Lecture: “How a Geological Map is made,” C. N. Bromehead, B.A., F.G.S.
- October 23rd.—General Exhibit Night.
- November 6th.—“Birds and their Ways,” V. G. F. Zimmermann and F. Vear.
- November 20th.—Geological Recorder’s Report, J. A. Dell, M.Sc.
- December 4th.—Conchological Recorder’s Report, H. Sowden.
- December 18th.—Recorder’s Report on Fresh-water Biology by C. Allen; Microscopical Evening.

The list of Lectures and Excursions for 1934 was omitted from the Report; it is given here to preserve the continuity of record :—

- January 17th.—Presidential Address. Lantern Lecture: “The Plain Man as a Field Naturalist,” A. W. Ping, M.A.
- January 31st.—“Fish and Fishing Problems around York,” Lantern Lecture, S. H. Smith, F.Z.S.
- February 14th.—Recorders’ Reports: (a) Botany, J. H. Evers. (b) Entomology, A. Smith.
- February 28th.—General Exhibit Night.
- March 14th.—Lantern Lecture: “Wild Bird Life Month by Month,” F. Jefferson.

March 28th.—Recorders' Reports: Vertebrate Zoology: (a) Ornithology, V. G. Zimmermann. (b) Mammals and Fishes, S. H. Smith.

April 4th.—Annual Meeting.

May 16th.—An Evening Visit to Poppleton.

May 30th.—A Visit to Strensall Common.

June 2nd.—A Visit to Acomb Brick Ponds.

June 13th.—A Visit to Moreby Park.

June 22nd.—Beekeepers' Demonstration at Sandburn.

June 30th.—A Visit to Askham Bogs.

July 11th.—A Visit to Huntington Wood.

July 25th.—A Visit to the Cowthorpe Oak.

September 26th.—Fungus Foray in the Hermitage Woods, followed by an Evening Meeting at the Museum.

October 10th.—Lantern Lecture: "The Tadpole's Contribution to Science," Prof. E. A. Spaul.

October 24th.—General Exhibit Night.

November 7th.—Recorder's Report on Geology. Lantern Lecture: "Erosion and Weathering," J. A. Dell, M.Sc.

November 21st.—Exhibition of the "Oxley Grabham" collection of British Mammal Skins.

December 5th.—Recorders' Reports: (a) Conchology, H. Sowden. (b) Freshwater Biology, C. Allen.

December 19th.—Microscopical Evening.

## NEW MEMBERS, ELECTED IN 1935.

Bunnett, R. J. A., 15, Burton Stone Lane.  
 Gilyard-Beer, R., 5, Bedern Bank, Ripon.  
 Handsley, F. A., Windmill Hotel, York.  
 Hawson, Miss K., 22, Bootham Crescent.  
 Hodgson, N., 11, The Avenue, Clifton.  
 Hoyle, Chas., 26, North Parade.  
 Jackson, Rev. Cyril, "Almery Garth," Marygate.  
 Jackson, Rev. J. E. N., St. Mary's Vicarage, Bishophill Junior.  
 Lister-Kaye, Mrs. L. A., 138, Clifton.  
 Mattison, A., 14, Frederic Street, Marygate.  
 Metcalfe, Mrs. A. L. B., 2, St. Leonard's.  
 Mildren, R. P., 3, Portland Street.  
 Minter, C. J., The Guildhall, York.  
 Morrall, H. B., St. Mary's House, York Road, Haxby.  
 Scott, F. O., "Hawkswell," 6, St. Peter's Grove.  
 Tute, Miss E. P., 35, Queen Anne's Road.  
 Whitehouse, H., 52, Rawcliffe Lane.  
 Wisker, Mrs. R. H., 54, St. Olave's Road.

## DEATHS.

### HONORARY MEMBER.

Benson, George, A.R.I.B.A., Thirsk Road, Easingwold.

### MEMBERS.

Evelyn, W. A., M.A., M.D., Sycamore Cottage, Clifton.  
 Danesfort, Rt. Hon. Lord, Riccall Hall, York.  
 Hamilton, Sir James, "West Bank," Holgate, York.  
 Hardgrave, Miss S. A., 8, Earlsborough Terrace.  
 Horsey, Mrs. E., 10, Sycamore Terrace.  
 Kaye, C. W. Lister-, 138, Clifton.  
 Mattison, Mrs. E., 14, Frederic Street, Marygate.  
 Naylor, H. S., Market Street.  
 Walker, H., The Queen's Hotel, Micklegate.

### ASSOCIATE.

Melrose, John, Holgate Hill, York.

## RESIGNATIONS.

Members	...	...	...	...	25
Lady Subscribers	...	...	...	...	1
Associates	...	...	...	...	1
					<hr/>
					27
					<hr/>

## DEATH AND RESIGNATION.

Honorary Members	...	...	...	...	1
Members	...	...	...	...	34
Lady Subscribers	...	...	...	...	1
Associates	...	...	...	...	2
					<hr/>
					38
					<hr/>

## NEW MEMBERS.

18

## TOTAL MEMBERSHIP ON 31st DECEMBER, 1935.

Honorary Members	...	...	...	30
Members	...	...	...	319
Lady Subscribers	...	...	...	38
Associates	...	...	...	4
				<hr/>
				391
				<hr/>

## LIST OF HONORARY MEMBERS.

1. 1897. Berget, Baron A., Sorbonne, Paris.
2. 1888. Bobretzki, Dr., The University, Kiev.
3. 1906. Bower, F. O., M.A., Sc.D., LL.D., F.R.S., The Crescent, Ripon.
4. 1898. Clark, J. E., B.A., B.Sc., 41 Downscourt Road, Purley, Surrey.
5. 1923. Clarke, Wm. Eagle, I.S.O., LL.D., F.R.S.E., The Royal Scottish Museum, Edinburgh.
6. 1924. Collingwood, R. G., M.A., F.S.A., Haverfield Library, Ashmolean Museum, Oxford.
7. 1906. Cornish, Vaughan, D.Sc., Inglewood, Camberley, Surrey.
8. 1898. Crichton-Browne, Sir James, M.D., LL.D., D.Sc., F.R.S., 45 Hans Place, London, S.W. 1.
9. 1926. Fox, Sir Cyril, Ph.D., F.S.A., Director of the National Museum of Wales, Cardiff.
10. 1920. Grabham, Oxley, M.A., Heron Cottage, Thornton Dale, Yorks.
11. 1923. Harmer, Sir Sidney F., K.B.E., Sc.D., F.R.S., The Old Manor House, Melbourn, near Royston, Herts.
12. 1934. Hill, Sir George Francis, K.C.B., M.A., D.C.L., LL.D., Director and Principal Librarian, the British Museum, London.
13. 1924. Kendall, Prof. Percy F., D.Sc., F.R.S., F.G.S., Briarwood, Frinton-on-Sea, Essex.
14. 1926. Keith, Sir Arthur, M.D., LL.D., F.R.C.S., F.R.S., Conservator of Museum and Hunterian Professor, Royal College of Surgeons of England, London, W.C.
15. — Lightfoot, Thomas, Masham, Yorks.
16. 1929. MacLagan, Sir Eric, C.B.E., M.A., F.S.A., Director and Secretary of the Victoria and Albert Museum, London, S.W. 1.
17. 1925. Marriott, Sir John A. R., M.A., 17 Belgrave Square, London.
18. 1906. Müller, Sophus, Prindsens Palais, Copenhagen.
19. 1934. Parker, Col. John, C.B., D.L., F.S.A., Browsholme Hall, Nr. Clitheroe.
20. 1926. Peers, Sir C. R., C.B.E., M.A., F.B.A., F.S.A., Chief Inspector of Ancient Monuments, H.M. Office of Works, London.
21. 1935. Platnauer, H. M., B.Sc., Milton Court Hotel, 68-72 Cromwell Road, London, S.W. 7.
22. 1927. Regan, C. Tate, M.A., D.Sc., F.R.S., F.L.S., Director of the British Museum (Nat. Hist.), London, S.W.
23. — Sadler, Sir Michael Ernest, K.C.S.I., C.B., D.Litt., LL.D., Master of University College, Oxford.
24. 1906. Shetelig, Dr. Haakon, Bergens Museum, Bergen, Norway.
25. 1924. Smith, Arthur H., C.B., M.A., F.S.A., F.B.A., 2 Balfour Road, Weybridge, Surrey.
26. 1929. Thompson, Professor A. Hamilton, M.A., D.Litt., F.S.A., The University, Leeds.
27. 1930. Wheeler, R. Mortimer, M.C., D.Litt., M.A., F.S.A., London Museum, Lancaster House, London, S.W.
28. 1926. Woods, Henry, M.A., F.R.S., Sedgwick Museum, Cambridge.
29. 1923. Woodward, Sir A. Smith, LL.D., F.R.S., F.G.S., Hill Place, Hayward's Heath, Sussex.
30. 1922. Yeld, George, M.A., Orleton, Gerrards Cross, Bucks.

# PAST PRESIDENTS

## OF THE

### YORKSHIRE PHILOSOPHICAL SOCIETY.

---

- 1822-1830. The Rev. William Venables Vernon, F.R.S., F.G.S.  
(Resigned at Annual Meeting, February, 1831.)
- 1831-1857. The Viscount Milton, F.R.S., F.S.A. (afterwards  
became the Earl Fitzwilliam). (See Ann. Rpt. for  
1857, p. 15.) (Died 1857.)
- 1858-1864. The Earl of Carlisle, K.G., F.R.S. (Died 1864.)
- 1865-1890. His Grace the Lord Archbishop of York. (William  
Thomson, F.R.S., F.G.S.) (See Ann. Rpt. for  
1890, p. 14.) (Died 1890.)
- 1892-1906. Sir Charles Strickland, Bart., F.G.S. (Resigned  
early in 1906.)
- 1906-1913. Tempest Anderson, M.D., D.Sc. (Died 26th August,  
1913.)
- 1914-1933. William Herbert St. Quintin, D.L., J.P. (Died  
January 21st, 1933.)

THE YORKSHIRE PHILOSOPHICAL SOCIETY.

## GENERAL INCOM

*Last  
Year*

### EXPENDITURE.

Year						£	s.	d.	£	s.	d.
	<b>Rent, Rates and Taxes :</b>										
	York Corporation, Rent	...	...	...	...	20	0	0			
	Property Tax and City Rates	...	...	...	...	69	17	8			
	Waterworks Company's Rates	...	...	...	...	15	9	9			
	Gardeners' Licence	...	...	...	...	2	5	0			
107									107	12	5
	<b>Insurance :</b>										
	Fire and Plate Glass	...	...	...	...	18	14	6			
	Boiler	...	...	...	...	8	3	0			
	Employers' Liability	...	...	...	...	6	1	3			
	Fidelity Guarantee	...	...	...	...	1	10	0			
	National Health and Unemployment	...	...	...	...	27	12	6			
62									62	1	3
	<b>Salaries and Wages :</b>										
	Museums	...	...	...	...	1497	1	10			
	Lodge and Gardens	...	...	...	...	565	7	9			
	Staff Pensions	...	...	...	...	127	0	0			
2165									2189	9	7
	<b>General Expenses, Repairs and Renewals :</b>										
	MUSEUMS—										
	Repairs	...	...	...	...	36	16	9			
	General Expenses	...	...	...	...	68	7	3			
82									105	4	0
	GARDENS—										
	General Expenses	...	...	...	...	115	12	6			
	Bowling Green	...	...	...	...	11	17	6			
68									127	10	0
	ESTATE—										
	General Expenses	...	...	...	...	163	3	8			
118									163	3	8
268									395	17	8
	<b>Lighting and Heating :</b>										
94	Coal and Coke	...	...	...	...	96	15	4			
12	Gas	...	...	...	...	9	8	8			
70	Electricity	...	...	...	...	83	8	3			
176									189	12	3
	<b>Printing and Stationery :</b>										
29	General	...	...	...	...	36	0	2			
24	Annual Reports and Proceedings	...	...	...	...	39	8	6			
53									75	8	8
52	Lecture Fees	...	...	...	...	...	...	...	69	6	0
	<b>Miscellaneous :</b>										
18	Picture Postcards, etc.	...	...	...	...	...	...	...	24	18	11
13	Telephone Rent and Calls	...	...	...	...	...	...	...	12	19	7
14	Postage and Receipt Stamps	...	...	...	...	...	...	...	19	0	0
									£3146	6	4
	Balance—Excess of Income over Expenditure	...	...	...	...	...	...	...	239	4	9
									£3385	11	1
41	Transfer to Fabric Fund	...	...	...	...	...	...	...	39	6	0
21	Additions to Museum	...	...	...	...	...	...	...	3	15	0
45	„ „ Library	...	...	...	...	...	...	...	51	4	3
	Balance carried forward	...	...	...	...	...	...	...	234	9	11
									£328	15	2

# AND EXPENDITURE ACCOUNT for the Year ended 31st December, 1935.

Last Year	INCOME.						£	s.	d.	£	s.	d.
	<b>Subscriptions :</b>											
	Members	...	...	...	...	...	636	6	0			
	County Members	...	...	...	...	...	1	0	0			
	Lady Subscribers	...	...	...	...	...	38	0	0			
	Associates	...	...	...	...	...	5	0	0			
	Ticket Holders (less Refunds)	...	...	...	...	...	7	0	0			
	Keys of Gates...	...	...	...	...	...	71	15	0			
							759	1	0			
	Received during 1935 on account of 1934	...					2	0	0			
	Subscriptions in arrear as per Balance Sheet						14	10	0			
799										775	11	0
	<b>Bowling Green :</b>											
	Members' Subscriptions	...	...	...	...	...	22	15	0			
	Locker Rents and Green Fees	...	...	...	...	...	2	6	0			
25										25	1	0
	<b>Donations :</b>											
	Catholic Pilgrimage	...	...	...	...	...	5	0	0			
	York Corporation—Meteorological Grant	...	...	...	...	...	5	0	0			
10										10	0	0
	<b>Rents :</b>											
	St. Mary's Lodge	...	...	...	...	...	65	0	0			
	Baths Cottage, Marygate	...	...	...	...	...	28	12	0			
	Shop, No. 10 Bootham	...	...	...	...	...	25	0	0			
	York Diocesan Training College—Boat Yard	...	...	...	...	...	5	0	0			
	York Waterworks Co.—Shed	...	...	...	...	...	15	0	0			
	Do. Light	...	...	...	...	...		1	0			
	St. Olave's Church Council—Light	...	...	...	...	...		1	0			
	Mr. Hill—Notice Board	...	...	...	...	...		1	0			
	Post Office—Wayleaves	...	...	...	...	...	1	2	0			
	York Relay Services (1934) Ltd.—Wayleaves	...	...	...	...	...		1	0			
146							139	18	0			
90	Letting of Rooms for Lectures and Meetings	...	...	...	...	...	61	1	0			
—	„ „ Gardens	...	...	...	...	...	18	18	0			
										219	17	0
410	<b>Gate Money</b>	...	...	...	...	...				411	16	3
1835	<b>Dividends and Interest</b>	...	...	...	...	...				1894	6	9
	(for particulars see page 24).											
	<b>Miscellaneous :</b>											
51	Sale of Picture Postcards, Plans, Reports, etc.	...	...	...	...	...				48	19	1

£3385 11 1

Balance brought forward from last year	...	...	89	10	5
Balance of 1935 Income as above brought down	...	...	239	4	9

£328 15 2

THE TREASURER'S ACCOUNT IN CONNECTION WITH THE FUND FOUNDED BY  
THE LATE WM. REED, ESQ., FOR SPECIFIC PURPOSES, 1935.

Dr.	INCOME.		EXPENDITURE.		Cr.
	£	s. d.	£	s. d.	
To Balance brought forward	42	3 0			
„ Interest on York Corporation 3% Redeemable Stock, less tax	13	19 0	By New Books & Labels	...	35 3 0
„ Interest on £50 placed on Deposit with Midland Bank, Ltd....	11	2	Balance—Excess of Income over Expenditure	...	25 17 2
„ Income Tax recovered	4	1 0			
„ Bank Interest ...	0	6 0			
	£61	0 2			£61 0 2

BALANCE SHEET.

Amount of Fund on 31st December, 1935	£	s. d.	York Corporation 3% Redeemable Stock...	£	s. d.
	675	17 2	Midland Bank, Ltd.—Deposit Account...	50	0 0
			„ „ —Current Account...	25	17 2
	£675	17 2		£675	17 2

THE H. J. WILKINSON MEMORIAL FUND.

To Bequest ...	£	s. d.	By General Expenses	£	s. d.
„ Subscriptions	100	0 0	„ Balance ...	6	19 5
„ Bank Interest	35	2 0		129	0 10
	18	3		£136	0 3
	£136	0 3			



Dr.

## ST. MARY'S ABBEY RESTORATION FUND, 1935.

Cr.

INCOME.		£	s.	d.	EXPENDITURE.		£	s.	d.
To Subscriptions	...	...	...	147 13 0	By Balance brought forward	...	...	263 19 4	
„ Amount transferred from Fabric Fund	...	...	...	39 6 0	„ Repair of Abbey	...	...	25 10 4	
„ Balance ...	...	...	...	169 10 5	„ General Expenses	...	...	53 15 9	
					„ Bank Interest and Commission	...	...	13 4 0	
				<u>£356 9 5</u>					<u>£356 9 5</u>

## STATEMENT OF FUND.

£	s.	d.	£	s.	d.
To Subscriptions—1929 Appeal	...	...	By Repair of Hospitium	...	...
„ „ —1935 Appeal	...	...	„ Electric Heating	...	...
„ Champney Bequest	...	...	„ Supervisor's Fees	...	...
„ Y.P.S. General A/c.	...	...	„ Repair of Abbey	...	...
„ Fabric Fund	...	...	„ General Expenses—1929 Appeal	...	...
„ St. Mary's Abbey Wall Fund	...	...	„ „ —1935 Appeal	...	...
„ War Stock Interest	...	...	„ Bank Interest and Commission	...	...
„ Profit on Sale of War Stock	...	...			
„ Amount due to Midland Bank, Ltd.	...	...			
<u>£5295 4 0</u>			<u>£5295 4 0</u>		

Dr. MILLION SHILLING FUND, 1935. Cr.

[illegible]

## STATEMENT OF FUND.

	£	s.	d.		£	s.	d.
To Subscriptions received to 31st December, 1935	970	4	2	By New Cases	...	...	...
„ War Stock Interest	...	...	...	„ General Expenses	...	...	...
„ Bank Interest, less Commission	...	...	...	(Printing and Stationery, etc.)	...	...	...
„ Profit on Sale of War Stock	...	...	...	„ Balance at Midland Bank, Ltd.	...	...	...
	£1099	1	8		£1099	1	8

Dr.

## FABRIC FUND, 1935.

Cr.

INCOME.		£	s.	d.	EXPENDITURE.		£	s.	d.	
To Balance brought forward	...	...	1	6	2	By St. Mary's Abbey Restoration Fund	...	39	6	0
„ ½th Income Tax recovered	...	...	39	6	0	„ Balance ...	...	1	6	2

## THE YORKSHIRE PHILOSOPHICAL SOCIETY.

## LIABILITIES.

	£	s.	d.
General Fund. ... ..	44,910	5	3
Balance of Income and Expenditure Account ...	234	9	11
Subscriptions paid in advance ... ..	7	5	0
Sundry Creditors ... ..	20	3	10

---

 45,172 4 0

## Funds for Specific Purposes.

Mr. Wm. Reed Bequest ... ..	675	17	2
The H. J. Wilkinson Memorial Fund ... ..	129	0	10
Million Shilling Fund ... ..	52	16	2
Fabric Fund ... ..	1	6	2
Overdraft at Midland Bank, Ltd. St. Mary's Abbey Restoration Fund ... ..	169	10	5

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 £46,200 14 9
 

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The Values of the Investments are stated as at the date of acquisition.

The Market Value at 31st December, 1935 was £48,529 6s. 5d.

The properties 32 and 34 Bootham (Dr. Anderson Bequest) and St. Mary's Lodge, Baths Cottage, 10 Bootham, and the properties within the Museum Gardens are not valued for purpose of this Balance Sheet.

## GENERAL BALANCE SHEET, 31st December, 1935.

## ASSETS.

## General Fund.

## INVESTMENTS.

## DR. TEMPEST ANDERSON BEQUEST.

	£	s.	d.	£	s.	d.
£4,314 13s. 2d. 3½% War Stock ... ..	4,163	3	9			
£2,000 4½% Conversion Stock, 1940-44 ... ..	2,000	0	0			
£8,000 Dominion of Canada 4% Reg. Stock, 1940-1960 ... ..	7,904	7	0			
£8,000 New Zealand Govt. 4% Inscribed Stock, 1943-63 ... ..	7,968	14	6			
£5,777 2s. 6d. South Indian Railway Co. Ltd., 4% Regd. Deb. Stock, 1945 ... ..	5,400	0	0			
£5,700 L. & N.E. Railway 4% 1st Prefce. Stock...	8,131	9	0			
£2,500 L. & N.E. Railway 4% 2nd Guar. Stock ...						
£3,219 3s. 5d. Bank of England Stock ... ..	7,967	11	0			
Deposit at Midland Bank, Ltd. ... ..	45	0	0			
	<hr/>			43,580	5	3

## MR. RAWDON BEQUEST.

£918 8s. 9d. India 3% Registered Stock ... ..	1,000	0	0
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## MR. ST. QUINTIN BEQUEST.

£247 11s. 2d. 3½% Conversion Stock ... ..	250	0	0
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Subscriptions in arrear ... ..	14	10	0
Balance at Bank: Deposit Account ... ..	80	0	0
Current Account ... ..	244	19	7
Cash in hand ... ..	2	9	2
	<hr/>		
	45,172	4	0

## Funds for Specific Purposes.

## MR. WM. REED BEQUEST.

£600 York Corporation 3% Redeemable Stock ...	600	0	0
Midland Bank Ltd. Deposit Account ... ..	50	0	0
do. Current Account ... ..	25	17	2
	<hr/>		
	675	17	2

## MR. H. J. WILKINSON MEMORIAL FUND.

Balance at Midland Bank, Limited ... ..	129	0	10
Balance at Midland Bank Ltd. (Million Shilling Fund)... ..	52	16	2
Balance at Midland Bank Ltd. (Fabric Fund) ...	1	6	2
St. Mary's Abbey Restoration Fund (Deficit) ...	169	10	5
	<hr/>		
	£46,200	14	9

## Auditor's Report :—

I have compared the above Balance Sheet and foregoing Accounts with the Books, Accounts and Vouchers relating thereto, and certify them to be correct. I have verified the existence of the Cash Balances and Investments.

York: 10th February, 1936.

ARTHUR D. GLADWIN, F.L.A.A.

S. WALKER, *Hon. Treasurer.*

Details of Dividends and Interest, 1935, carried into the  
General Income and Expenditure Account.

DR. TEMPEST ANDERSON BEQUEST.

<u>Capital.</u>				<u>Net Income.</u>		
	£	s.	d.	£	s.	d.
£4,314 13s. 2d. 3½% War Stock ... ..	151	0	2			
£2,000 4½% Conversion Stock, 1940-44 ... ..	90	0	0			
£8,000 Dominion of Canada 4% Registered Stock, 1940-60 ... ..	248	0	0			
£8,000 New Zealand Government 4% Inscribed Stock, 1943-63 ... ..	320	0	0			
£5,777 2s. 6d. South Indian Railway Co. Ltd., 4% Registered Debenture Stock, 1945 ... ..	179	1	8			
£5,700 London & North Eastern Railway 4% First Preference Stock ... ..	143	11	4			
£2,500 London & North Eastern Railway 4% Second Guaranteed Stock ... ..	77	10	0			
£3,219 3s. 5d. Bank of England Stock ... ..	299	7	8			
£45 Deposit at Midland Bank ... ..		10	0			
Rents of Shops and Dwelling-houses, Nos. 32 & 34, Bootham ... ..	65	0	0			
	1,574	0	10			
Income Tax recovered (1 year) ... ..	275	2	0			
				1,849	2	10

MR. RAWDON BEQUEST.

£918 8s. 9d. India 3% Registered Stock ... ..	27	11	0
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MR. ST. QUINTIN BEQUEST.

£247 11s. 2d. 3½% Conversion Stock ... ..	8	13	2
£80 Deposit at Midland Bank, Ltd. ... ..	17	9	
Bank Interest, less Commission ... ..	8	2	0
	£1,894	6	9

Memo :—The above items are shown less tax, if deducted.

# The Yorkshire Museum, YORK.

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## Report of the Museum Committee FOR THE YEAR 1935.

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PRINTED BY ORDER OF THE COUNCIL.  
1936.





# THE YORKSHIRE MUSEUM, YORK.

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*Keeper :*

WALTER E. COLLINGE, D.Sc., M.Sc., F.S.A., F.L.S.,  
M.B.O.U., Hon. F.R.H.S.

*Honorary Curators :*

ARCHÆOLOGY - - - W. HARVEY BROOK.

ROMAN ANTIQUITIES - REV. A. RAINE, M.A.

BOTANY - - - - - CHARLES ALLEN.

ZOOLOGY - - - - - SYDNEY H. SMITH, J.P., F.Z.S.

ENTOMOLOGY - - - S. WALKER, F.R.E.S.

CONCHOLOGY - - - H. SOWDEN.

ASTRONOMY - - - J. SCOTT.

NUMISMATICS - - - GEOFFREY THOMPSON, M.A., F.S.A.

CERAMICS - - - - - ARTHUR HURST, A.K.C.

*Assistants :* { MISS E. HOLMES.  
                  { FRANCIS T. G. WHITE.

*Chief Clerk :* ARTHUR COLLEY.

*Museum Attendant :*  
WILLIAM RAFTON.

*Hospitium Attendant :*  
MISS G. FISHER.



## THE YORKSHIRE MUSEUM.

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### REPORT FOR THE YEAR 1935.

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**I**N addition to an overhauling of all the Cabinet Collections, the repair and redecoration of the Ethnological Gallery has necessitated some slight rearrangement of these Collections.

On May 31st the Lord and Lady Provost of Edinburgh, Sir William J. Thomson and Lady Thomson, visited the Museum, and on June 7th, the Prime Minister of the Commonwealth of Australia and Mrs. Lyons were received.

The Yorkshire Numismatic Society held its Summer Meeting in the Museum on July 4th.

The Yorkshire Architectural and York Archaeological Society continues to hold its meetings and house its Library in the Museum.

**EDUCATIONAL WORK.**—During the year 855 children from schools in the City attended the Museum for study and instruction and 64 students from the City School of Arts and Crafts.

Many archaeologists, naturalists and other students have made use of the Library.

The Collections or specimens have been studied by :—  
T. Stanley Westoll, B.Sc., University College, London ; Dr. W. J. Arkell, M.A., University Museum, Oxford ; Miss Kitson Clark, Leeds ; H. Arbman, State Historical Museum, Stockholm ; J. D. Cowen, M.A., F.S.A., Shotley Bridge ; E. J. Branson, York ; Stuart Piggott, London ; Dr. J. A. Smythe, Armstrong College, Newcastle-on-Tyne ; R. C. Bosanquet, M.A., F.S.A., Alnwick ; Miss Doreen Labilliere, Oxford ; Prof.

H. H. Swinnerton, D.Sc., Nottingham ; J. A. Stanfield, London ; W. Parker Brewis, M.A., F.S.A., Newcastle-on-Tyne ; Erik Floderus, National Historical Museum, Stockholm ; Miss Ella Wright, Hull ; Arthur Cossens, Nottingham ; John C. Kirk, Malton ; T. D. Kendrick, M.A., F.S.A., British Museum, London ; Miss Elizabeth Senior, British Museum, London ; W. J. Gibson, Edinburgh ; James Wright, F.R.S.E., Edinburgh ; Dr. B. von Lindheim, Durham ; J. H. Scott, Tacna, Chili ; W. Bulmer, Stocksfield ; G. F. Willmot, East Gilling ; The Rev. Prof. C. E. Whiting, M.A., D.D., F.S.A., University of Durham and Miss A. J. W. Newbigin, Newcastle-on-Tyne.

Turning to the different departments of the Museum :—

ETHNOLOGY.—Numerous small additions have been made to the Collections. This gallery has proved as popular as ever with the general public, and it has also received many visits from students interested in the Anglo-Saxon and Danish exhibits.

ASTRONOMY.—All the instruments are in good adjustment and order. The Observatory is open to members on lecture nights, providing the weather is favourable, and at other times by arrangement.

BOTANY.—The value of the Herbarium has been greatly increased during the year by the acquisition of the fine collection of books on local flora and other botanical works bequeathed by the late Honorary Curator for Botany, Mr. H. J. Wilkinson.

The whole collection of 316 volumes has now been card indexed, and most of the works can be borrowed by members.

The George Webster collections of world Mosses and Hepatics, presented to the society in 1932, have been removed from the Library to a position close to the Herbarium. Mr. Webster in forming this large world collection of mosses seems to have evolved a system of classification of his own for the arrangement of his species, based on Jaeger and Sauerbeck's *Adumbratum Florae Muscorum*. The whole of the mosses and foreign hepatics in this collection have now been catalogued and indexed by Mr. H. Sowden in such a form that bryological students can at once turn to any species they may wish to examine and study, either British or Foreign. The British Hepatics are arranged according to the Moss Exchange Club Census Catalogue of British Hepatics compiled by Symers M. Macvicar, 1905. These catalogues may be consulted on application being made to the Keeper of the Museum.

ZOOLOGY.—The collections have been well maintained and proved of great interest to visitors during the year and also most helpful to a large number of students. Work in this department is considerably restricted owing to lack of space : the bird galleries are filled to capacity, and it is at present impossible to augment the collections on this account.

An acquisition of note is a mounted specimen of the Kiwi, *Apteryx mantelli*, Bart., presented by Mr. Robert Hagyard. This curious, ground-frequenting species hails from New Zealand, and is distinguished (and nearly extinguished) because of its inability to fly ; the wings are rudimentary and the body covered by a curious hair-like feathering. The kiwi is about the size of a barn door fowl, and possesses a long beak which is different from that of other birds by having the nostrils at the tip instead of the base. The bird feeds principally on earthworms, and this position of the nostrils enables the quarry to be sought by smell as well as by touch and sight. There is relationship with the extinct moas in the fact of the feet being four-toed. The nest is usually an excavation in the base of a tree fern and only one comparatively large egg is laid. Of late years Government protection has been given to this disappearing species, but in spite of this the kiwi is a somewhat rare bird.

CONCHOLOGY.—There have been no additions to the conchological collections during the year.

Owing to unforeseen circumstances the building up of the type collection of the shells of the Land and Freshwater Mollusca has been held up. During the progress of this work an interesting discovery has been made. In the Monograph of the Land and Freshwater Mollusca of the British Isles by J. W. Taylor, Vol. 2, 1907-14, pp. 267-8, the author, in dealing with the distribution of "*Helix aspersa*, Monst. *sinistrum*, Fér., [*Helix (Acavus) aspersa m. sinistra*, Fér., Tabl. Syst., 1821, p. 34, pl. 19, figs. 1, 2.] shell sinistral or reversed in coiling," states on page 268 "York N.E. One on sandhills, Redcar, Rev. W. C. Hey ; and enumerated by Mr. W. Bean as found at Scarborough." No mention is made as to what became of this specimen. Whilst searching amongst boxes in the workroom in the Museum, for specimens for the type collection, one box was found containing a very fine sinistral *Helix aspersa*, Fér. In the same box was a small card with "reversed variety, Redcar, 1880," written on it in ink in the handwriting of the Rev. W. C. Hey.

As the collection of Land and Freshwater Shells formed by the Rev. W. C. Hey was acquired many years ago by the museum, there seems to be no doubt that this specimen found is the one referred to by Taylor in his Monograph as having been found on the sandhills at Redcar by the Rev. W. C. Hey. It therefore provides definite evidence that the claim made by Mr. W. Bean that it had been found at Scarborough is an erroneous one.

NUMISMATICS. The Society's series of York-minted coins has been strengthened by gifts and exchange. The revised labelling of the Roman collection is now nearly completed. The collection of historical and local medals has now been labelled and put in order.

This year a beginning has been made with a collection of Bank-notes of Private Banks in York and Yorkshire.

It is hoped that it may be possible shortly to compile both a classified list of finds of coins in York and Yorkshire (whether represented in this Museum or not) and a classified list of the York and Yorkshire Coins, Medals and Tokens which are in the Society's collection.

CERAMICS. The Ceramic Collections have been kept in good order during the past year. A few pieces have been added to the collections, notably a fine glass jug engraved with a floral spray and the words "Trinity Hall" an old name for the Merchant Adventurers' Hall in Fossgate, York. It was almost certainly made at the old York Glass Works probably about 1790.

LIBRARY. During the year 65 volumes have been added by purchase, and 25 by presentation, in addition to the usual unbound memoirs.

The number of volumes borrowed was 176.

Few members are aware that in addition to the many framed drawings by Henry Cave in the Museum, there is a collection of two hundred and eighty-three mounted specimens bound in two large volumes. These include some of Cave's finest work.

METEOROLOGY. Statistics of Station : Longitude  $1^{\circ} 5'$  W. ; Latitude  $55^{\circ} 57'$  N. ; height above mean sea level 56 feet.

The rainfall for 1935 was above normal, being 29.83 inches, 5.69 inches above the average for the preceding 50 years. The wettest months of the year were September, October and

November, when the totals for the months were : 5.20, 4.80 and 4.09 inches respectively. July, March and May were the driest months with 0.35, 0.77 and 1.07 inches respectively.

Temperature ranged from 88° F. on July 13th to 23° F. on December 7th ; the range of temperature for 1935 being thus : 65° F. as against 61° F. for 1934. A mean pressure of 1012.5 millibars (1,000 millibars=29.531 inches of mercury) at M.S.L. (corrected for diurnal variations) has been recorded as against 1013.9 millibars for 1934. February gave the lowest mean for the year, 1002.8 millibars, December next with 1003.2 millibars. January was highest, 1024.1 millibars, and May next with 1022.3 millibars. The extreme range was 2.090 inches as compared with 2.103 inches in 1934. The highest reading of the barometer was taken March 9th at 9 a.m. viz. ; 30.787 inches, and the lowest on February 25th at 9 a.m., viz. ; 28.697 inches.

Snow or Rain fell to the amount of 29.83 inches or 757.7 mm., as against 22.79 inches or 578.9 mm. for 1934, an increase of 7.04 inches or 178.8 mm. for the year. The heaviest fall of the year occurred on September 24th when 43.7 mm. (1.72 inches) fell.

Observations of Winds show that during 1935 we had " gale force " on 1 day ; " strong " winds on 7 days (force 4-7 on scale 0-10) the same as in 1934, and " calm " on 6 days, 2 days more than 1934. The chief winds have been observed as N. (86), S. (75), W. (67), S.W. (40), N.W. (35), and S.E. (20).

Thunder was heard on 12 days, snow or sleet fell on 22 days, as against 3 days in 1934 ; and there were hailstorms on 3 days, as against 4 days the previous year.

Bright Sunshine was recorded 1465.9 hours as against 1369.2 hours in 1934, an increase of 96.7 hours for the year. The daily mean was 3.99 hours, and the percentage of possible sunshine 33, as against 31 in 1934.

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It is urgently requested that any discovery of Archaeological interest in the neighbourhood may be brought to the notice of the Keeper of the Museum, or the Honorary Curators, as early as possible.

The Keeper of the Museum will be pleased to give any information in his power, and may be seen daily, Museum engagements permitting.

## LIST OF SCHOOLS

AND OTHER ORGANIZATIONS THAT HAVE VISITED THE MUSEUMS DURING 1935.

- 
- Jan. 3rd—European Theological Students.  
 Jan. 4th—Assistant Masters' Association.  
 Jan. 8th—Preston High School.  
 Jan. 12th—Holiday Fellowship.  
 Mar. 25th—Newsham Senior Girls' School.  
 April 6th—Women's Educational Association, Loftus.  
 April 16th—South View School, Yeadon.  
 April 23rd—Mr. Sydney Jennings' Party, Otley.  
 April 25th—Mr. Woodhead's Party, Huddersfield.  
 May 17th—West End School, Ashton-under-Lyne.  
 May 18th—Normanton Branch, Workers' Educational Association.  
 May 18th—Nelson Boys' School.  
 May 24th—Northgate C. of E. School, Pontefract.  
 May 25th—Wath-on-Dearne Grammar School.  
 May 25th—Roundhay High School, Leeds.  
 May 25th—Waterloo Park School, Liverpool.  
 May 25th—Clayton Council School, Bradford.  
 May 30th—Deptford Terrace Senior Boys' School, Sunderland.  
 May 30th—Sedgley Park College, Manchester.  
 May 31st—Roundhay High School, Leeds.  
 June 1st—Gisborne Road Elem. School, Barnoldswick.  
 June 1st—The Grammar School, Leigh.  
 June 1st—The Grammar School, Wigan.  
 June 1st—The Girls' High School, Middlesbrough.  
 June 1st—Coppull Moor School, Chorley.  
 June 1st—Mostyn Lane School, Manchester.  
 June 1st—Batley Grammar School.  
 June 1st—Grange Street Boys' School, Manchester.  
 June 4th—Roundhay High School.  
 June 5th—Girls' Friendly Society, Harrogate.  
 June 7th—Kilham School, E. Yorks.  
 June 11th—Boys' Brigade, Ovenden, 26th Halifax.  
 June 12th—The Riley Motor Club.  
 June 12th—Leeds School of Architecture.  
 June 13th—Bolsover.  
 June 13th—Temple Street School, Castleford.  
 June 14th—Central School, West Hartlepool.  
 June 14th—Junior Boys' School, Rossington.  
 June 15th—Anlaby Choir, Hull.  
 June 17th—Thornbury Boys' School, Bradford.  
 June 19th—Lowell Road School, Leeds.  
 June 20th—St. Peter's R.C. School, Balby.



- June 20th—Hawkesworth Senior School, Leeds.
- June 21st—Stirling Street School, Doncaster.
- June 21st—Burniston School.
- June 22nd—Institute of Structural Engineers.
- June 22nd—Stainforth Boys' School.
- June 22nd—British Medical Association—York Division.
- June 22nd—Denaby Main School.
- June 24th—Leeds Adult School.
- June 28th—South Crossland C. of E. School, Huddersfield.
- June 28th—Armitage Bridge C. of E. School, Huddersfield.
- June 28th—Society of Medical Officers of Health (Yorks. Branch).
- June 28th—T. B. Holmes Girls' School, Hull.
- July 2nd—Lancaster Mothers' Union.
- July 11th—Roundhay High School, Leeds.
- July 12th—Sherburn Village Council School.
- July 17th—Secondary School, Stockport.
- July 18th—Newcastle-on-Tyne Choirs.
- July 19th—Methodist School, Retford.
- July 19th—Easington School, Durham.
- July 23rd—Harrogate College.
- July 25th—Barnsley High School.
- July 27th—Dobcross Parish Church Choir.
- July 29th—Scarborough High School.
- July 30th—Princess Avenue Girl Guides, Hull.
- Aug. 2nd—City of Westminster Scouts.
- Aug. 3rd—Members of the O.T.C.
- Aug. 14th—Yorkshire Historical Association.
- Aug. 14th—Bishop Auckland Women's Institute.
- Aug. 21st—International Soil Congress.
- Aug. 31st—Sunderland Antiquarian Society.
- Sept. 7th—Bradford Historical and Antiquarian Society.
- Sept. 7th—La Jeune Republique.
- Oct. 12th—Saxton School.
- Oct. 15th—Ferry Hill School.
- Oct. 18th—Ackworth School.
- Oct. 21st—Derrington C. E. School.
- Oct. 28th—Hunmanby Council School.
- Nov. 23rd—Tadcaster Council School.

## CLIMATOLOGICAL SUMMARY—THE YORKSHIRE MUSEUM, YORK, 1935.

Height above Ground :—Thermometers 4 ft. Rain-gauge 1 ft.

1935.	Air Temperature in Degrees Fahrenheit.										Earth Temperature		Rainfall.			Weather.							Bright Sunshine.		
	Means of		Means of Max. + Min.	Absolute Extremes.						At 1 ft.	At 4 ft.	Total.	Maximum Fall.		Day.	Number of Days of						Total.	Daily Mean.	Per-centage.	
	Max.	Min.		H. Max.	Day.	L. Min.	Day.	L. Max.	Day.				H. Min.	Day.		Precipitation 0.2 in. or more.	Snow.	Snow Lying.	Hail.	Thunder storm					
	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	in.	mm.	in.	mm.	in.	mm.	hr.	hr.	%						
	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	in.	mm.	in.	mm.	in.	mm.	hr.	hr.	%						
Jan.	44.6	35.8	40.2	54	2	28	9, 28	34	47	2	1.93	49.0	0.47	11.9	1	17	9	6	4	1	0	41.5	1.34	17	
Feb.	47.4	37.8	42.6	55	15	28	26	38	50	19	2.65	67.3	0.73	18.5	24	16	14	4	2	1	0	38.0	1.36	14	
March	50.3	39.0	44.7	60	19	32	12, 16	38	47	25, 26	0.77	19.6	0.27	6.9	3	7	7	2	0	0	0	88.3	2.85	24	
April	54.0	39.8	46.9	63	29	32	4, 5, 13	45	49	10	1.93	49.0	0.37	9.4	15	15	12	3	0	0	2	132.7	4.42	32	
May	58.3	41.3	49.8	74	6	33	17, 19	46	49	3	1.07	27.2	0.32	8.1	17	7	6	3	0	1	0	254.1	8.20	52	
June	68.5	51.4	59.9	83	22, 23, 24	38	1	54	61	23	2.38	60.5	0.38	9.7	7	17	14	0	0	0	4	164.0	5.47	32	
July	73.4	54.0	63.7	88	13	43	30	67	61	14	0.35	8.9	0.15	3.8	19	7	3	0	0	0	0	239.7	7.73	47	
August	73.2	53.4	63.3	86	22	42	28	61	60	17, 21	2.23	56.6	0.52	13.2	26	10	7	0	0	0	3	193.5	6.24	42	
Sept.	63.6	49.0	56.3	71	1	38	8, 26	54	56	2, 13	5.20	132.1	1.72	43.7	24	17	14	0	0	0	1	141.8	4.73	37	
October	55.9	42.5	49.2	62	16	29	21	48	52	14, 27	4.80	121.9	1.25	31.8	4	18	13	0	0	0	2	87.1	2.81	27	
Nov.	48.9	39.5	44.2	62	3	31	25	39	48	3	4.09	103.9	0.73	18.5	14	23	16	0	0	0	0	35.7	1.19	14	
Dec.	40.7	32.9	36.8	48	30	23	7	34	43	31	2.43	61.7	0.64	16.3	27	14	13	4	10	0	0	49.5	1.60	22	
Totals	678.8	516.4	597.6	—	—	—	—	—	—	—	29.83	757.7	—	—	—	168	123	22	16	3	12	1465.9	47.94	—	
Means	56.6	43.0	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.02	3.90	33	

## CLIMATOLOGICAL SUMMARY—THE YORKSHIRE MUSEUM, YORK, 1935.

Latitude 53° 57' N. Longitude 1° 5' W. Height above Mean Sea Level 56 ft.

1935.	Mean Pressure corrected to 32° F. and lat. 45° and reduced to Mean Sea Level.				Air Temperature		Humidity.				Mean Amount of Cloud, 0-10		Cloud Amount, 9 a.m.				Wind, No. of Observations, 9 a.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.	Depression of Wet Bulb.		Vapour Pressure.		Percentage.		0	1-3	4-6	7-9	10	(Beaufort Scale).					Direction.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
							9 a.m.	9 p.m.	9 a.m.	9 p.m.	9 a.m.	9 p.m.						4-7	1-3	Cal.	N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Pressure is expressed in millibars (1,000 millibars = 29.531 mercury inches), also in mercury inches.

RAINFALL IN 1935  
AT CHERRY HILL, YORK.

Rain Gauge: Dia. of Funnel, 5 in.;  
Height above Ground, 1 ft. 6 in.

“ “ Sea level, about 50 ft.

Month.	Bright Sunshine.			Pressure at Mean Sea Level.					
	Daily Mean. 1935.	Per-centage.		Absolute.					
		1934.	1935.	Highest.	Date.	Time.	Lowest.	Date.	Time.
	hr.	%	%	mb.			mb.		
Jan.	1.34	18	17	1041.8	18th	9 a.m.	979.0	25th	9 p.m.
Feb.	1.36	37	14	1030.2	7th	9 a.m.	955.9	28th	9 p.m.
Mar.	2.85	22	24	1042.5	9th	9 a.m.	992.7	1st	9 p.m.
Apr.	4.42	27	32	1028.1	28th	9 a.m.	988.3	10th	9 a.m.
May	8.20	36	52	1034.4	8th	9 a.m.	1009.7	17th	9 a.m.
June	5.47	35	32	1029.4	28th	9 p.m.	997.0	7th	9 a.m.
July	7.73	50	47	1028.2	24th	9 p.m.	998.7	20th	9 a.m.
Aug.	6.24	36	42	1029.6	6th	9 a.m.	996.8	27th	9 a.m.
Sept.	4.73	36	37	1026.0	10th	9 a.m.	974.9	17th	9 a.m.
Oct.	2.81	22	27	1025.1	16th	9 p.m.	982.2	3rd	9 a.m.
Nov.	1.19	16	14	1020.6	{ 24th 25th	9 p.m. 9 a.m.	972.1	30th	9 p.m.
Dec.	1.60	3	22	1038.5	10th	9 p.m.	973.4	1st	9 p.m.
Year.	47.94 3.99	31	33	1042.5	March 9th	9 a.m.	955.9	February 28th	9 p.m.

Month.	Total Rain-fall for month.	Days with .01 in. or more.	Days with .04 in. or more.	Date of Highest Rainfall	Amt. in ins.
Jan.	1.86	12	10	26/27	.60
Feb.	2.24	15	13	23/24	.72
Mar.	.72	7	5	23/24	.26
April	1.66	15	11	15	.40
May	.98	6	6	17	.32
June	1.88	17	14	6	.33
July	.28	5	2	19	.13
Aug.	2.42	9	8	26	.56
Sep.	5.00	15	14	24	1.83
Oct.	4.52	15	12	9	1.20
Nov.	3.75	16	15	16/17	1.03
Dec.	2.61	12	12	27	.66
Total	27.92	144	122		

RIVER HEIGHT RECORDS REGISTERED BY THE AUTOMATIC RECORDER  
AT THE GUILDHALL, YORK, 1935.

Date	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.	
	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.
1	1 a.m.	above 4	1 a.m.	above 2	1 a.m.	above 3	6 a.m.	above 0	4 p.m.	above 0	noon	below 0
2	12 p.m.	4	"	2	12 p.m.	4	7 p.m.	0	3 p.m.	0	2 p.m.	0
3	1 a.m.	4	2 a.m.	2	2 p.m.	5	1 p.m.	0	6 p.m.	0	1 p.m.	above 0
4	"	7	12 p.m.	6	} Recorder out of order.	2	4 p.m.	0	"	0	8 a.m.	0
5	12 p.m.	0	12 p.m.	6		6	1 p.m.	8	1 a.m.	0	12 p.m.	0
6	4 p.m.	1	5 a.m.	7		3	3 p.m.	0	noon	0	1 p.m.	0
7	12 p.m.	1	12 p.m.	0		0	5 p.m.	0	"	0	3 p.m.	0
8	6 p.m.	1	1 a.m.	0	} Recorder out of order.	3	6 a.m.	8	4 p.m.	0	12 p.m.	2
9	1 a.m.	1	"	1		6	2 p.m.	6	"	0	1 a.m.	0
10	"	1	"	1		2	12 p.m.	7	6 p.m.	0	"	0
11	12 p.m.	1	5 p.m.	4		8	4 a.m.	1	2 p.m.	0	noon	0
12	noon	1	12 p.m.	1	10 a.m.	2	1 a.m.	3	1 a.m.	0	"	0
13	1 a.m.	2	"	1	12 p.m.	1	2 p.m.	9	3 p.m.	0	1 p.m.	0
14	12 p.m.	1	noon	1	"	5	"	8	4 p.m.	0	1 a.m.	0
15	10 a.m.	2	8 a.m.	2	"	1	2 p.m.	0	"	0	8 a.m.	0
16	1 a.m.	1	1 a.m.	0	6 p.m.	1	12 p.m.	1	3 p.m.	0	5 p.m.	0
17	"	1	"	8	noon	1	"	0	"	0	12 p.m.	0
18	"	0	"	10	"	1	6 p.m.	1	4 p.m.	0	1 a.m.	0
19	noon	0	"	2	12 p.m.	2	7 p.m.	1	2 p.m.	0	7 p.m.	0
20	4 p.m.	0	"	7	noon	1	1 a.m.	1	"	0	10 p.m.	0
21	1 a.m.	0	"	0	12 p.m.	0	12 p.m.	1	6 p.m.	0	6 p.m.	0
22	6 a.m.	0	12 p.m.	6	"	1	"	0	2 p.m.	0	1 a.m.	0
23	3 p.m.	0	"	3	12 p.m.	0	1 a.m.	1	10 p.m.	0	6 a.m.	0
24	"	0	"	5	noon	1	1 a.m.	2	6 p.m.	0	12 p.m.	0
25	12 p.m.	1	12 p.m.	8	"	0	"	3	"	0	11 p.m.	0
26	4 a.m.	2	4 a.m.	4	3 p.m.	0	3 p.m.	6	2 p.m.	below 0	12 p.m.	0
27	4 p.m.	0	"	7	1 a.m.	1	1 a.m.	1	"	above 0	12 p.m.	0
28	1 a.m.	0	"	5	1 a.m.	1	"	3	10 a.m.	below 0	noon	S.L.
29	12 p.m.	0	"	4	noon	0	1 p.m.	0	12 p.m.	above 0	11 a.m.	below 0
30	"	1	"	7	6 p.m.	0	1 a.m.	0	"	0	12 p.m.	0
31	10 p.m.	3	"	4	5 p.m.	0	"	8	"	0	"	0
				10		10						

RIVER HEIGHT RECORDS.—Continued.

Date.	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.	
	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.	Time.	Above or below S.L. ft. in.
1	1 a.m.	below 0	9 a.m.	below 0	1 a.m.	above 0	12 p.m.	above 5			6 p.m.	above 9
2	9 a.m.	0	noon	6	1 p.m.	0	7 a.m.	7			1 a.m.	8
3	6 p.m.	above 0	"	5	10 p.m.	0	12 p.m.	9			"	5
4	"	0	12 p.m.	7	3 p.m.	0	4 a.m.	9			"	5
5	12 p.m.	0	noon	7	9 p.m.	0	12 p.m.	9	12 p.m.	above 4	"	8
6	6 p.m.	0	1 a.m.	6	10 a.m.	0	12 p.m.	3	6 a.m.	4	"	10
7	1 a.m.	0	noon	5	11 a.m.	below 0	1 a.m.	3	1 a.m.	4	"	2
8	"	below 0	6 p.m.	7	9 p.m.	0	"	9	"	2	noon	2
9	10 a.m.	0	1 a.m.	5	11 a.m.	0	"	1	12 p.m.	1	noon	8
10	9 a.m.	0	12 p.m.	3	11 a.m.	0	12 p.m.	9	noon	3	2 p.m.	1
11	noon	0	noon	7	9 a.m.	0	8 p.m.	9	5 p.m.	3	12 p.m.	3
12	3 p.m.	0	"	5	"	0	1 a.m.	5	9 p.m.	1	7 p.m.	3
13	10 a.m.	0	"	6	3 p.m.	0	"	2	12 p.m.	4	1 a.m.	2
14	12 p.m.	0	"	6	noon	0	"	9	6 a.m.	4	10 p.m.	2
15	"	0	12 p.m.	6	12 p.m.	above 0	noon	4	1 a.m.	4	11 p.m.	2
16	8 a.m.	0	9 a.m.	6	"	0	12 p.m.	8	6 a.m.	3	"	2
17	noon	0	"	5	3 a.m.	3	1 a.m.	8	12 p.m.	6	12 p.m.	6
18	9 a.m.	0	noon	5	12 p.m.	0	2 p.m.	8	6 a.m.	9	1 a.m.	1
19	1 p.m.	0	"	5	8 a.m.	2	12 p.m.	3	"	10	10 p.m.	1
20	noon	0	9 a.m.	5	12 p.m.	2	11 a.m.	0	6 a.m.	11	"	9
21	6 p.m.	above 0	noon	3	5 p.m.	0	"	9	1 a.m.	9	1 a.m.	8
22	6 a.m.	0	noon	6	12 p.m.	6	11 a.m.	6	12 p.m.	8	3 p.m.	7
23	noon	below 0	6 p.m.	6	7 a.m.	7	"	10	6 a.m.	9	9 p.m.	5
24	"	0	12 p.m.	5	1 a.m.	3	"	0	1 a.m.	5	11 p.m.	1
25	9 a.m.	0	"	6	6 p.m.	6	"	0	"	4	12 p.m.	2
26	10 a.m.	0	noon	6	1 a.m.	5	"	1	"	3	"	4
27	"	0	12 p.m.	10	"	2	"	6	2 p.m.	3	"	6
28	12 p.m.	0	2 a.m.	0	6 p.m.	1	"	2	12 p.m.	4	4 a.m.	9
29	6 a.m.	0	1 a.m.	6	"	1	"	6	"	4	1 a.m.	6
30	8 a.m.	0	11 a.m.	6	1 a.m.	2	"	2	"	4	"	10
31	"	0	12 p.m.	3	1 a.m.	1	"	10	"	4	"	3
				1								7

# ADDITIONS TO THE MUSEUM

DURING 1935.

---

ANONYMOUS.—Part of an oak beam from the ceiling of the panelled room at the back of the Guildhall, York, showing destruction caused by the death-watch Beetle, *Xestobium rufovillosum*, De Geer.

—————Order to the Sheriff to issue an execution on the goods of George Hudson, August 11th, 1855.

BAKER, MRS. E. F.—Embroidered Quilt, c. 1800.

BROOKS, R. W.—Pair of Dibbling Irons.

BUNNETT, R. J. A.—£5 note of Bradford Commercial Joint Stock Bank.

CROSLAND, R. W.—Decorated rim of green glazed vessel, dug up in a field at Normanby (Sinnington), 1ft. below the surface.

DALE, J. J. A.—MS. List of the Pew-owners of St. John's Church, Micklegate, 1819.

DEAN, MISS STELLA.—Two silk-worked pictures, made at the York Exhibition, 1879.

DODSWORTH, E. R.—1 York Union Bank Note (£5) ; a Cheque on the Pocklington Branch of the York Union Banking Co. dated October 30th, 1838. (One of the very earliest cheques)

DOUTHETT, MISS ISABEL M. J.—Pair of Oriental Vases.

DOUTHETT, MISS MARGARET.—Chinese Celadon Vase.

FENTON, J. C.—Horn Spoon.

FISHER, MISS G.—Carved Wooden Needle Case.

GORDON, T. WALLIS.—Lantern Slides of York and Yorkshire.

GRAY, T.—Roman Amphora from the Roman Wall.

HAGYARD, ROBERT.—Stuffed specimen of *Apteryx mantelli*.

HAMMOND, MISS.—Framed Portrait of Florence Nightingale, pair of scales, and a child's gilt bangle.

HARDACRE, J.—Manx farthing, Victoria ; Manx halfpenny, Geo. III ; Boxwood snuff box ; piece of Leeds Yellow Glaze.

HINDE, MRS.—Early Accordion.

HOOPER, REV. W.—Silver farthing of Edward I (1280), found in Bossall Vicarage garden, February, 1929.

HOWARD, G.—Nine fragments of Mediaeval Tobacco Pipes.

HURST, ARTHUR.—Wooden Domestic Bowl ; Glass Jug engraved " Trinity Hall, York."

JOHNSON, FRANCIS.—Flail, once the property of and used by James Kirkby (c. 1813) of High Catton.

- NORTON, T., D.L., J.P.—Guinea Bank Note of Huddersfield Bank, 1810.
- OGDEN, JAMES R., F.S.A.—12 prints of York and one of Scarborough Castle.
- PATTERSON, MRS. J. ALEXANDRA.—Cobridge Jug, 2 Wedgwood Fruit Dishes, and one Dutch Plaque.
- PECKITT, CECIL.—Gold watch and chain, once the property of the Rev. W. L. Pickard, Rector of All Saints, North Street, York.
- PHILLIPS, DR. H. A.—Silver Spoon, 1760.
- ROYLE, COL. R. G.—6 £5 Bank Notes of Messrs. Beckett & Co. and the York and East Riding Bank, and 1 Note of Messrs. Swann, Clough & Co., York.
- SOULSBY, MRS.—Old Farm Spoon.
- SMITH, SYDNEY H.—Live Viper and its own cast skin from near Keldy Castle, Pickering; Old Yoke.
- SYKES, ERNEST.—A one guinea note of the Huddersfield Commercial Bank, dated 1813, and a £1 note of the Huddersfield Bank, issued in 1824.
- TATTON, HENRY.—Engraving of York Minster, by H. Cave.
- THOMSON, LADY.—Victorian folding Parasol; pair of old lace Mittens; pair of ladies' embroidered shoes; early Gramophone.
- TRIFFITT, J.—Print of St. Mary's Abbey, dated 1736.
- WALKER, MISS CARMICHAEL.—Bronze Buddha.
- WALKER, S.—Three German Bank Notes of Inflation Period, January, 1922—February, 1923, 10,000, 20,000 and 100,000 Marks.
- WHYTEHEAD, THE REV. R. Y.—Knife and Fork, mounted in silver and ivory, used by the younger Obadiah Yates at dinner in St. John's College Hall, Cambridge, in the days when students had to provide their own cutlery; Deed conferring the Freedom of Scarborough on Thomas Whytehead, 1720; Dispensation from the Crown and the Archbishop of Canterbury for Thomas Bowman to hold the Rectory of Crayke, together with the Vicarage of Hessle, 1768; Halfpenny Token of John Yates of Bridlington, found near the Vicarage, Hornsea, 1770; George I. Halfpenny stamped J. Yates; Account Book kept by Obadiah Yates, 1716-1767; Deed conferring the Freedom of Scarborough on Thomas Whytehead, 1787 (in Latin); Commission of



William Whytehead, 1804 ; Commission of William Whytehead, 1729 ; Letter from the Rev. W. Whytehead, 1796 ; Pair of curious spectacles ; A Silver Bo'sun's Call ; Pair of woman's clogs ; Pair of satin slippers, 18th c. ; Pack of old Playing Cards ; Automatic spring-up Guinea Balance in brass case ; Old French and German War Notes ; Old silver-mounted Meerschaum Tobacco-pipe, with cherry-wood stem, c. 1865.

WILLMOT, G. F.—Fragments of green-glazed pottery from near Gilling.

WINSPEAR, MISS A. S.—Early Quaker Bonnet ; Scotch group in white earthenware.

YATES, A. E.—Old Yorkshire Shippen Candle Lamp.

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RELATING TO THE

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PROCEEDINGS  
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ON SOME SPOON-SHAPED FIBULAE IN THE  
YORKSHIRE MUSEUM AND ELSEWHERE.

BY DR. WALTER E. COLLINGE, F.S.A.

In 1874 Boyd Dawkins<sup>1</sup> described from the Victoria Cave, Settle, "a perfect spoon-shaped fibula (fig. 22). which corresponds with one of those in the Museum of the Royal Irish Academy, as well as several fragments, and which when in use was passed through holes in the clothes, in such a manner that the two ends alone were visible. These are ornamented, and the shaft and the whole back is more or less polished by wear." Boyd Dawkins was the first to suggest the use of these objects, and he was, I think, the first to term them "spoon-shaped fibulae."

In 1882 Dr. Munro<sup>2</sup> figured one found in the excavation of the crannog at Lochlee, Ayrshire, which he described as "a tiny little spoon only  $\frac{3}{4}$  of an inch in diameter and worn into a hole in the centre, the handle being only two inches long and about the diameter of a crow quill."

Dr. Curle<sup>3</sup> also found one in the ditch of the early fort at Newstead. He remarks, "They are certainly not worn-out spoons as one might easily suppose from a single specimen; the hole in the bowl is of too common occurrence, and the fact that it is an intentional perforation is frequently obvious." "The precise manner of their use," he continues, "is uncertain. Such a specimen as that found at Newstead might have been employed as a hair-pin, a cord being passed through the broad end, the better to secure it. Many examples, however, show, at what would be the point of the pin, a short cross bar or a square terminal, which would render such use impossible. It may be that they were employed with a cord attached, to thread together, and so fasten the two sides of a garment."

Curle states that they do not appear in Museums on the Rhine, and are, therefore, probably purely Celtic.

<sup>1</sup> Cave Hunting, 1874, p. 90, fig. 22.

<sup>2</sup> Ancient Scottish Lake Dwellings, 1882, p. 112, fig. 76.

<sup>3</sup> A Roman Frontier Post and its People, p. 338.

There are seven specimens in the British Museum from Dowkerbottom Cave, and two from caves near Settle.

There are also five specimens in the Black Gate Museum, Newcastle-on-Tyne, viz., three from South Shields, one from Seaton Carew, Durham, and another from Great Chesters on The Wall (Aesica). Through the kindness of Lt. Col. G. R. B. Spain, C.M.G., F.S.A., and Mr. J. D. Cowen, M.A., F.S.A., I have been permitted to examine and photograph these.

In the Yorkshire Museum, York, there are six specimens and a "handle" and three fragments, viz., five and the "handle" found in the 1874 excavations on the site of the Roman Cemetery at York, and one found at Malton. In addition there are two small specimens, little more than the bowls, one with a small circle in the centre and the other quite plain and a part of a handle. These also come from the site of the Roman Cemetery.

Finally, Dr. Arthur Raistrick has recently found further specimens at Settle, which he proposes to figure and describe shortly.

The specimens in the Yorkshire Museum are as follows :—

(Pl. 1) No. 1. is five and a half inches long. The bowl, which is almost flat, is perforated by a nearly circular hole. The handle is incomplete, but there is evidence of at least one perforation.

No. 2. is five and a quarter inches long, with a round bowl end and a square perforation. The opposite end is hammer-shaped.

No. 3. is five inches long. The bowl is incomplete and the perforation almost round. The upper surface is marked with three parallel lines. The opposite end is perforated by five small round holes.

A somewhat similar decoration occurs in two small bone Danish pins found in Clifford Street, York, during the excavations of 1884, and I surmise that these were used in a similar manner to the fibulae.

No. 4. is four inches and seven-eighths long, with the bowl slightly curved from before backwards, but there is no perforation. The opposite end is perforated by a large round hole and a smaller one nearer the stem, terminating in an almost lunate form.

No. 5. This is a highly decorated handle, with a perforation in the form of a cross, surrounded at the edge by an incised line, the two ends crossing one another anteriorly.

No. 6. is a small circular bowl with a raised lip, and in the centre is a small raised circle with a small circular hollow in the centre.

No. 7. is a rather larger bowl without any perforation.

No. 8. is the posterior portion of the stem and handle, which is square with a circular perforation.

No. 9. is a fragment of a large bowl, which was probably perforated, and part of the stem. It is four and a half inches long, and the bowl one and a quarter inches wide.

No. 10, from Malton, is five and five-eighths inches long. The bowl is deep with a large circular perforation, cut into at the posterior end. The handle is small, square, with an incised cross and a line above and below it.

The specimens from the Black Gate Museum, Newcastle-on-Tyne, are as follows (Pl. II), No. 1, from South Shields, (as also 2 and 3), is four and a quarter inches long, it has a small concave bowl, not perforated, and the stem terminates in a sharp point. Near the middle of the stem is an oblong band with an incised cross on it.

No. 2, is four and five-eighths inches long, it has an almost flat bowl not perforated, an oval handle with a circular perforation and an incised cross.

No. 3, is practically a flattened bowl only, with a small, partially made perforation. It is two and a quarter inches long.

No. 4, from Seaton Carew, has an oval shaped, flattened bowl, with a median raised rib on the underside, and a circular perforation. The stem and handle are plain. It is four and a half inches long.

No. 5, from Aesica, is three and a quarter inches long. It has an almost circular concave bowl with a circular perforation. The handle is missing.

## EXPLANATION OF PLATES I AND II.

ILLUSTRATING DR. COLLINGE'S PAPER ON "SOME SPOON-SHAPED FIBULAE."

## PLATE I.

Figs. 1-5.—From the site of the Roman Cemetery at York. (Yorkshire Museum).

Fig. 10.—Found at Malton. (Yorkshire Museum).

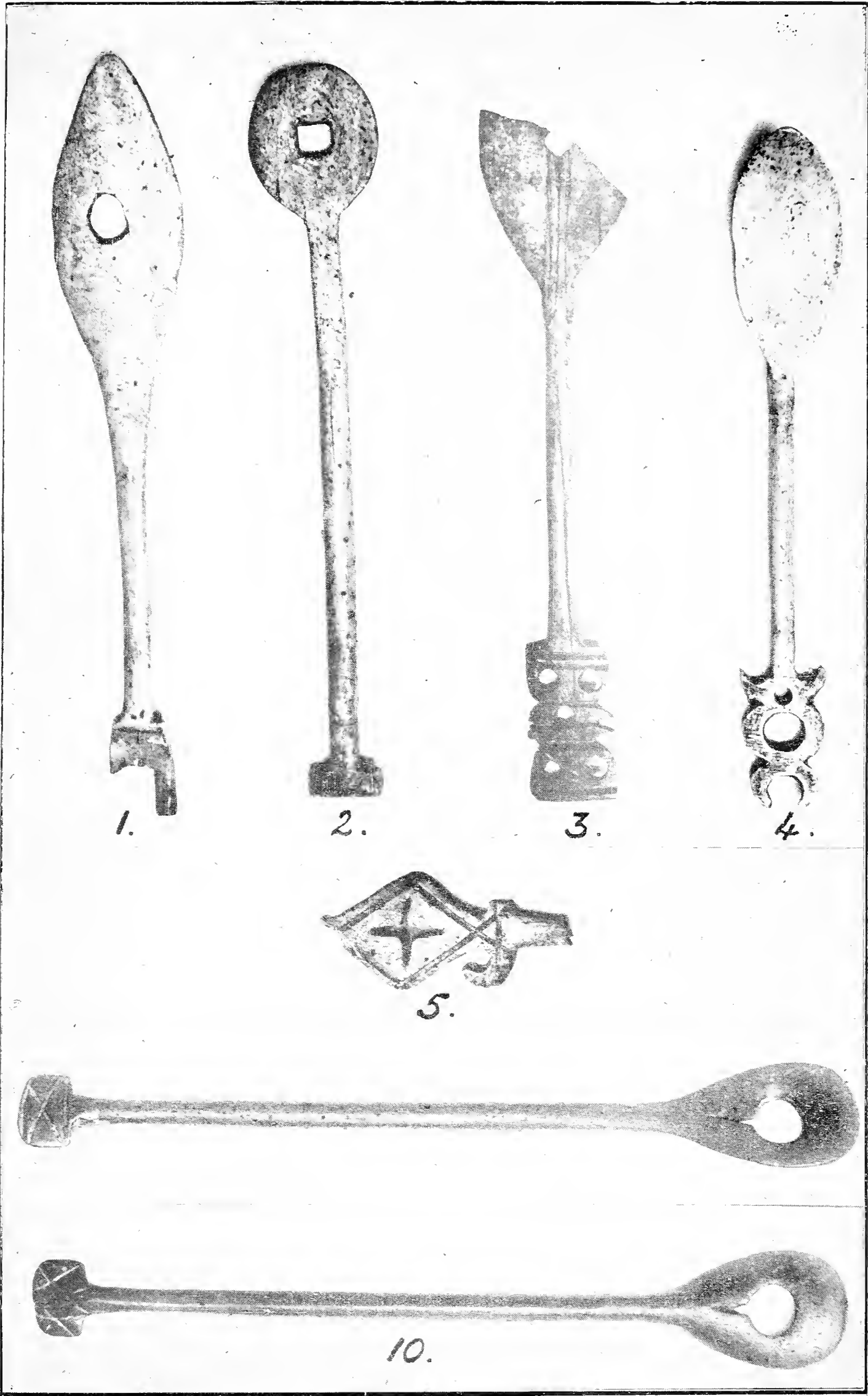
## PLATE II.

Figs. 1-3.—From South Shields. (Black Gate Museum).

Fig. 4.—From Seaton Carew. (Black Gate Museum).

Fig. 5.—From Aesica. (Black Gate Museum).





SPOON-SHAPED FIBULAE.





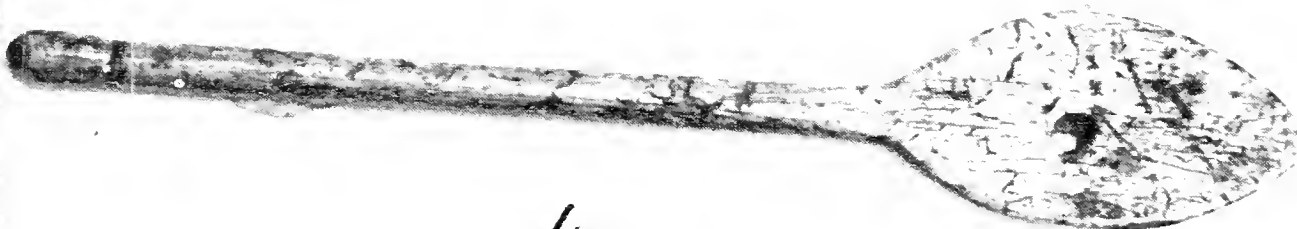
1.



2.



3.



4.



5.

SPOON-SHAPED FIBULAE.







## ON A ROMAN MEMORIAL STONE IN THE YORKSHIRE MUSEUM.

BY DR. WALTER E. COLLINGE, F.S.A.

In our Proceedings for 1928\* there is a description and figure of the Roman Memorial Stone found on the Mount, York, in 1928, which is described as "The Sleeping Soldier," and Mr. S. N. Miller is quoted as being of opinion that "(1) it is a deceased soldier sleeping the sleep of death, or (2) it is a mourning soldier assimilated to the familiar 'Mourning Attis.' I should be inclined to favour the second and more interesting alternative, but I do not feel sure of it."

When assembling the various pieces of stone which go to compose this figure, I suggested that it was of Mithraic origin, and since then many archaeologists visiting the Museum, have expressed the same opinion.

In September last Mr. H. G. Meek carefully examined this sculpture, and he has very kindly written me at some length respecting it. With his permission I quote the following:—"I suggest . . . . . that the exhibit depicts one of the two torch-bearers to some Mithraic central group—the latter possibly showing the god slaying the bull—doubtless there having been three panels, similar to a mediaeval triptych. The figure in the exhibit mentioned shows the usual emblems and dress of the Mithraic torch-bearer, not those of a Roman civilian or soldier, further two-thirds of the torch are visible, the part with the flame having been broken."

"As one would have looked at the three panels, the one mentioned would, I suggest, have been placed on the left; the companion would have been placed on the right of the central group and would have held his torch inclined upwards."

"I noted that on the wall to the right of the main entrance to the Museum, there is affixed such a central panel in bas-relief as I have envisaged."

"Provided always that the stone, carving and locus of the find of both tally, it might be that the two exhibits form together two-thirds of the same Mithraic group."

\* Proc. Y.P.S., 1928 (1929), p. 7., pl. 1.

“ It has long been known that Roman York was amongst the soldiery a centre for the cult of Mithras.”

“ It is, I suggest, quite frequent that Mithraic emblems are unidentified, e.g., two superb statues on the Capitol at Rome. These in my view show the two torch-bearers, but they have been restored each as Paris holding an apple.”

The supposed central panel was found in 1747 in digging for a cellar in a house in Micklegate, opposite St. Martin's Church.

I do not think that it had anything to do with the stone found on the Mount, for there is already (on the left) the figure of a torch-bearer with his torch inverted, and a mutilated one on the right. With Mr. Meek's general conclusions I am inclined to agree.



PRESENTED  
15 APR 1936



# The Yorkshire Museum, York.

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WALTER E. COLLINGE,  
*Keeper of the Museum.*

APRIL, 1936.

*Herald Printing Works, York.*





















